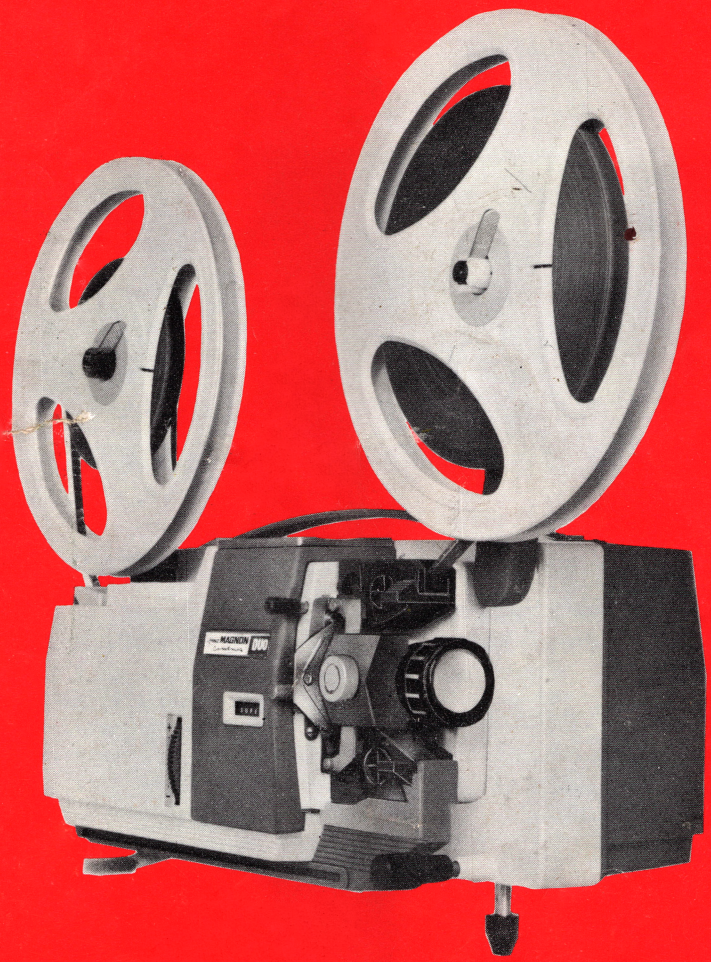
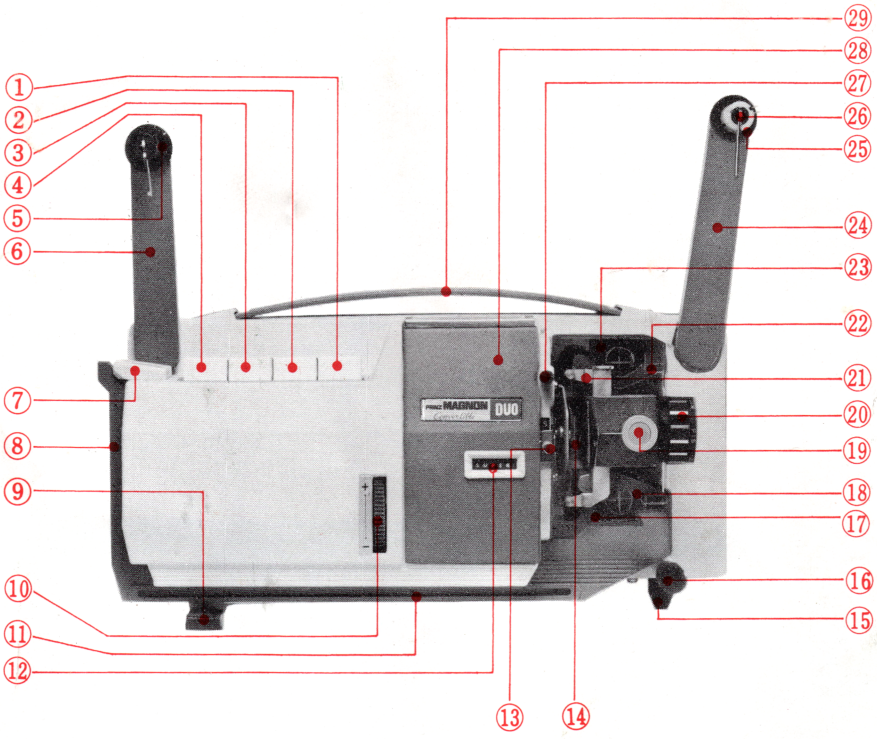
PRINZ MAGNON DUO

Convertible

INSTANT CHANGE-OVER OF ALL 8MM FILMS
REEL-TO-REEL AUTO-THREADING
KEYBOARD PUSH BUTTON CONTROL
COMPACT ZOOM 8MM DUAL PROJECTOR

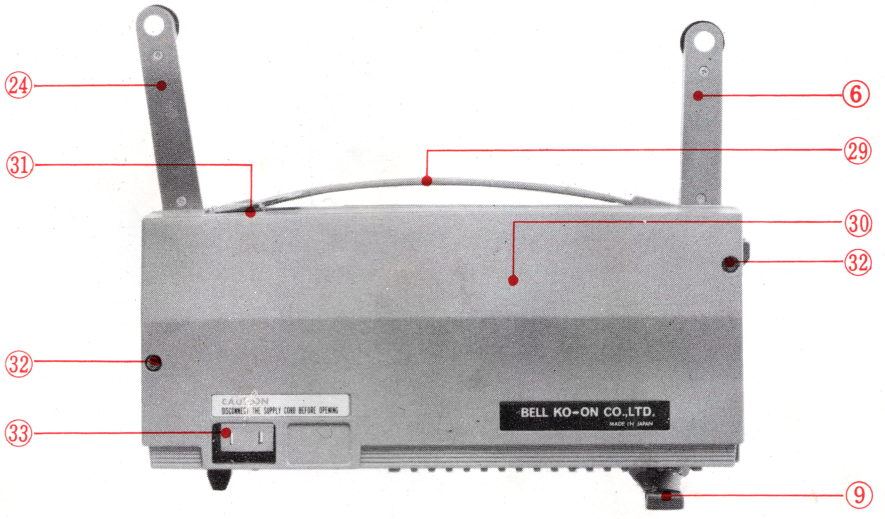


INSTRUCTIONS FOR PRINZ MAGNON



1. Lamp Button
2. Forward Button
3. Off Button
4. Reverse Button
5. Take-up Spindle
6. Take-up Arm
7. Take-up Guide
8. Film Channel
9. Stand
10. Speed Control
11. Film Channel Snap
12. Film-Type Indicator
13. Selector Knob
14. Pressure Plate
15. Tilting Leg
16. Tilting Setscrew
17. Lower Guide
18. Lower Sprocket Shoe Knob

Convertible 8MM PROJECTOR SERIES



19. Focusing Knob
20. Projection Lens
21. Loop Former Knob
22. Upper Sprocket Shoe Knob
23. Upper Guide
24. Supply Reel Arm
25. Super 8 Adapter
26. Supply Reel Spindle
27. Frame Knob
28. Lamp House
29. Grip
30. Back Cover
31. Film Trimmer
32. Back Cover Setscrew
33. Power Supply Cord Socket

Fig. 1

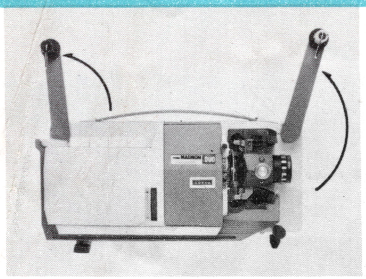


Fig. 2

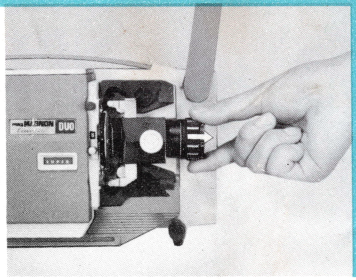
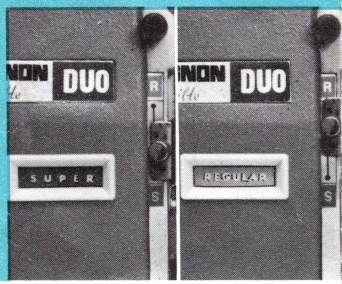


Fig. 3



CHECKING BEFORE OPERATION (Fig. 1 & 2)

Raise the take-up arm(6) and supply reel arm(24) towards the arrow marks until they stop. Draw out the projection lens until it stops and remove the lens cover.
Check the voltage shown on the plate underneath the projector.
Press the OFF button(3) and insert the cord into the power supply cord socket(33) and then the other end of the lead into the power source.
Press the FORWARD button (2) and then the LAMP button (1).
After seeing that both operate properly, press the OFF button.

CHANGE-OVER OF SUPER

Before threading the film, check the
For Super 8, press down the selecto
lamp house will show SUPER autom
projector ready to thread Super 8 f
For Regular 8, raise the selector kn
on the supply reel spindle.
The supply reel spindle is designed t
Regular 8, but a removable Super
the spindle.

Fig. 13

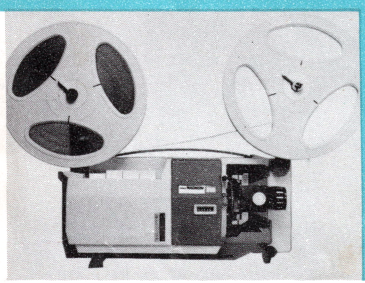


Fig. 14

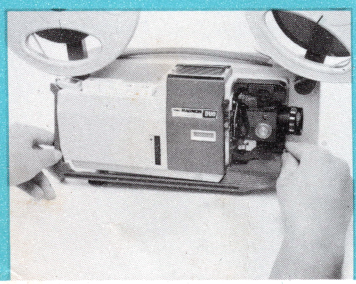


Fig. 15

RAPID REWINDING (Fig. 13)

Attach the end of the film directly on the empty reel on the rewind spool shaft and give the reel at least one turn counter-clockwise. Press the REVERSE button. For rapid rewinding adjust the speed control. Fig. 13 shows the projector ready for rapid rewinding.

REMOVAL OF FILM (Fig. 14/17)

If either the upper loop or the lower loop fails to keep the proper size constantly, the film will not run smoothly. In this case, press down or lift the film looper so that both loops may be made even. In the event of further trouble, press the OFF button at once, and clear the film from the auto-threading mechanism.

HOW TO REMOVE FILM CH

1. Remove the film from the perfor
2. Move the take-up arm to an upr
3. Lift the lower sprocket shoe knol
4. To replace it, reverse the proce
   under the speed control.

HOW TO REMOVE FILM FRO

1. Lift the lower sprocket shoe knol
2. Press down the looper. Hold bo
3. Press down upper sprocket shoe

Fig. 4

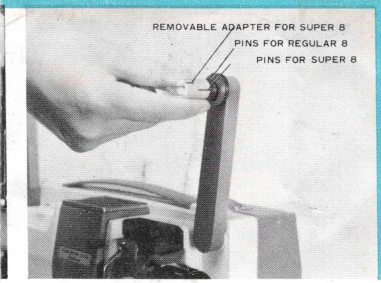


Fig. 5

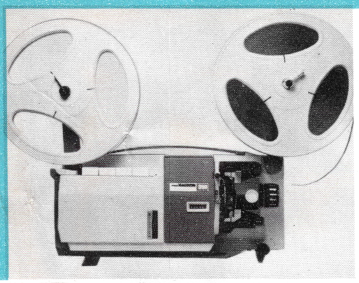


Fig. 6

3 & REGULAR 8 (Fig. 3 & 4)

type of the film to be projected.
r knob(13) : the film-Type indicator(12) on the
atically. This single action will set the
ilm.
b and remove the Super 8 adaptor (25)

o accept reels of both Super 8 and
8 adapter is additionally attached onto

AUTO-THREADING OF FILM (Fig. 5, 6, & 7)

With the teeth of the hub facing towards you, mount the 400 ft. auto-reel s
Mount a reel of film on the supply reel spindle(26). Be sure that the perfor
and the retaining pins of the spindle snap into the slots in the reel. Fold
Cut the end of the film by the film trimmer(31) with one perforation over th
Press the FORWARD button to start the motor and then insert the trimmed
As soon as the end of the film engages with the lower sprocket, press down
release it at once. If the lower film loop is lost, the fluttering of the pictures
In such a case, press it down again and release it quickly.

Fig. 16

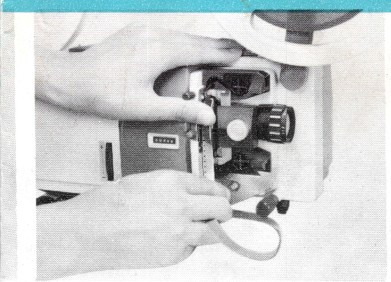


Fig. 17

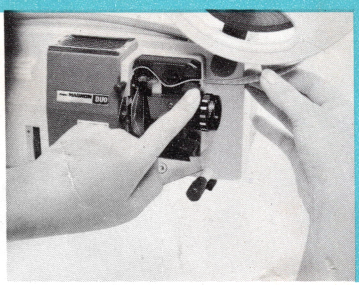
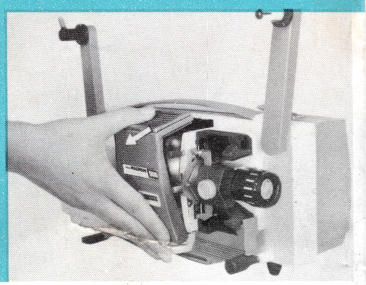


Fig. 18



ANNEL (Fig. 15)

ation catches of the auto-reel.
ight position.
o (18) and pull the film channel (8) towards you.
dure but be sure that the channel is properly snapped to its original position (11)

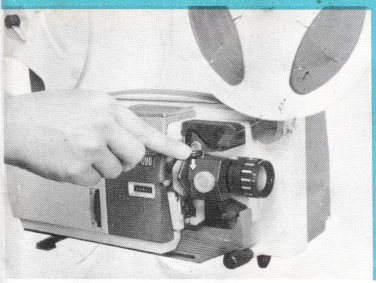
REPLACEMENT OF PROJECT

First press the OFF button. Remove th
the arrow. The lamp can be lifted out
part of the lamp and turning it slightly
When replacing the new lamp reverse

OM GUIDE ASSEMBLY (Fig. 15 . 16, & 17)

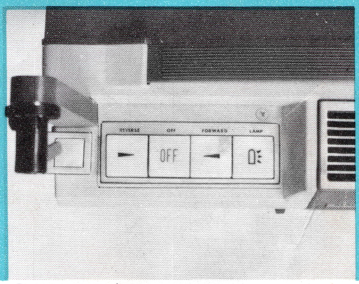
o (18) and take out the film. (Fig 15)
ck the pressure plate, twist the film gently to the right and then pull it out. (Fig. 16)
knob (22) and remove the film. (Fig. 17)

Fig. 7



upplied on the take-up spindle(5).
ated edge of the film is towards you,
the clip over(Fig. 5).
e small pin as shown by Fig. 6.
end of the film into the film entrance.
the loop former knob(21) and
will occur.

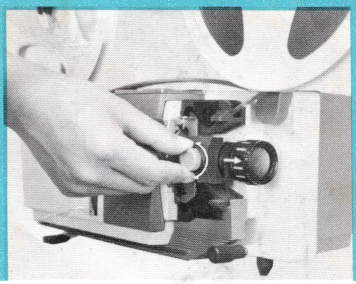
Fig. 8



SWITCH (Fig. 8)

A fool-proof push button system is adopted in order of REVERSE, OFF, FORWARD and LAMP.
It is so designed to permit pressing either of FORWARD or REVERSE at one time and then LAMP. The buttons will be restored to their original positions when the OFF button is pressed.

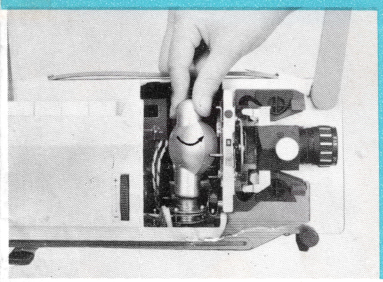
Fig. 9



PROJECTION LENS (Fig. 9)

Slide the lens-barrel back and forth for zooming effect from 20mm to 32mm focal length range until a suitable size picture is obtained and then rotate the focusing knob(19) to make the picture on the screen sharp and clear.
BEFORE PROJECTION : Draw it out fully after raising the supply reel arm.
AFTER PROJECTION : While pulling the focusing knob towards you, insert it fully back and then fold down the supply reel arm
REMOVAL OF LENS : While pulling the focusing knob towards you, the lens can be removed. and restored back into the housing.

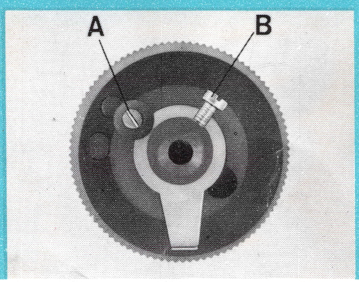
Fig. 19



ON LAMP (Fig. 18 & 19)

e lamp house by pulling it towards
by pressing lightly on the upper
to the left.
the above procedure.

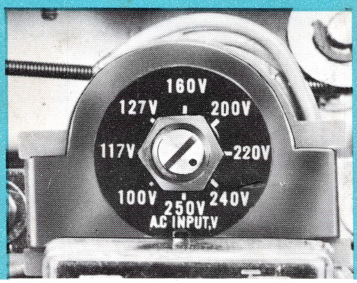
Fig. 20



SPEED ADJUSTMENT
(Fig. 20)

DISCONNECT MACHINE FROM AC SUPPLY.
If the speed is too slow even when the speed control is turned fully to "+", remove the lamp house. Loosen the "A" setscrew and turn the speed control further towards "+" and tighten the setscrew when the proper speed is obtained. If the speed is too fast, loosen the "B" setscrew, turn the speed control a little toward "+" and then tighten the setscrew.

Fig. 21



VOLTAGE (FIG. 21)

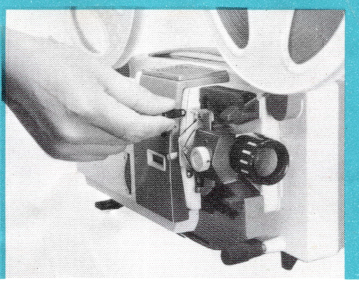
This projector may be operated on all voltages from 100V to 250V, and is set at factory for the voltage shown on the plate underneath the projector body.
If it is necessary to change the voltage, remove the back cover and re-set the adjuster by slackening the centre screw, moving the red pointer as necessary, and retightening the screw.

Fig. 10

SPEED CONTROC (Fig. 10)

The running speed can be adjusted by turning the speed control (10) in either direction.
By turning the speed control in the direction of "+", it will increase the speed and turning "−" will reduce the speed.
The standard running speed is 18 frames per second for Super 8 and 16 frames for Regular 8, but may be adjusted to the natural action speed of the picture projected.

Fig. 11



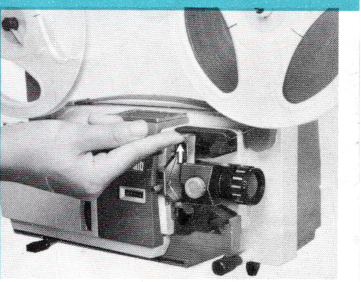
FRAMING (Fig. 11)

If a film frame line appears in the picture during projection, rotate the framing knob (27) until the picture is properly framed.

ELEVATION DEVICE

The elevation angle of the projector is controlled by tilting setscrew (16). Turn the setscrew to the left and the tilt of the projector may be adjusted by manipulating the tilting leg (15) and locking it with the setscrew.

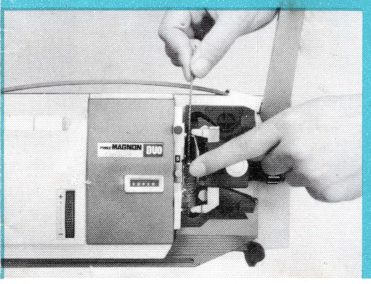
Fig. 12



REVERSE PROJECTION (Fig. 12)

When repetition of a portion of the film or reverse projection is desired, press the OFF button, and then the REVERSE and LAMP buttons.
Lift the loop former knob and release it at once when an unusual rattling noise or the fluttering of the pictures occurs. This is to form an upper film loop properly.

Fig. 22



REGULAR MAINTENANCE (Fig. 22)

Before projection, clean the auto-aperture plate and the pressure plate with the soft brush supplied.
Other main components should also be cleaned and lubricated periodically.

WARNING

Before making any mechanical adjustments, always ensure that the projector is completely disconnected from the power supply.

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